

# Lake Superior State University—Articulation Agreement

## North Central Michigan College

Transfer Major: Bachelor of Science-Geology, Environmental Geology Concentration

<b>Contacts:</b>	Academic Advising North Central Michigan College advising@ncmich.edu NCMC Admissions 888/298.6605	<b>Valid:</b>	Fall 2025-2028
	Heidi Rife, LSSU Regional Centers Director Lake Superior State University 906/217.4123 or hrife@lssu.edu LSSU Admissions 888/800.5778 x:2231		

NCMC Courses			LSSU Equivalency			Additional LSSU Courses		
<b>Michigan Transfer Agreement (MTA)</b>			<b>STUDENTS EARN MTA AT NCMC</b>					
ENG111	English Composition I	3	ENGL110	First-Year Composition I	3			
XXXxxx	Comm Elective	3	XXXxxx	Communication Elective	3			
MATH130	College Algebra	4	MATH111	College Algebra	3+1			
CEM121	Principles of Chemistry	5	CHEM115	General Chemistry I	5			
PHY210	General Physics I	5	PHYS221	Principles of Physics I	4+1			
XXXXxxx	Social Science	6	XXXXxxx	Social & Behavioral Science	6			
XXXXxxx	Humanities	6	XXXXxxx	Humanities	6			
<b>REQUIREMENTS</b>			<b>REQUIREMENTS</b>			<b>REQUIREMENTS</b>		
CEM121	(From above MTA)		CHEM115	(From above MTA)		GEOL122	Earth History	4
CEM122	Principles of Chemistry II	5	CHEM116	General Chemistry II	5	GEOL223	Mineralogy & Petrology	4
ESC121	Physical Geology	4	GEOL121	Physical Geology	4	GEOL308	Structural Geology Systems	4
GIS110	Intro to Geog Info Systems I	3	EVRN131	Intro to GIS	3	GEOL315	Geoenvironmental Systems	4
MATH130	(From above MTA)		MATH111	(From above MTA)		GEOL322	Geochemical Systems	4
MATH150	Analytic Geo & Calc I	5	MATH151	Calculus I	4+1	GEOL334	Hydrologic Systems	4
	or LSSU's MATH112			or MATH112 Calc for Bus & Life Sci		GEOL380	Intro to Field Geology	3
STAT200	Statistics	3	MATH207	Princ of Statistical Methods	3	GEOL431	Geophysical Systems	4
	or LSSU's MATH308, BUSN211, or BIOL280			or MATH308 or BUSN211 or BIOL280		GEOL440	Technology in Geology	2
PHY210	(From above MTA)		PHYS221	(From above MTA)		GEOL450	Geology Seminar I	1
	or PHY230 Physics for Scientists & Eng I			or PHYS231 Applied Physics I		GEOL451	Geology Seminar II	1
						GEOL480	Advanced Field Geology	3
<b>DISTRIBUTED ELECTIVES</b>	6		<b>DISTRIBUTED ELECTIVES</b>	6		EVRN199	(Waived for transfer students)	
Min. 6 credits required from NCMC &/or LSSU			Min. 6 credits required from NCMC &/or LSSU			EVRN311	Environmental Law	3
CEM231, CEM232, [ESC150 or GEO111],			CHEM225, CHEM326, GEOG108,			EVRN341	Fate & Transport Env.	4
GIS120, ENVS265, or LSSU's course(s)			EVRN225, POLI342, or LSSU's CHEM208, 231,			EVRN475	Climate: Past & Present	2
or LSSU course(s)			236, 332; ECON307; EVRN211, 315, 317, 325,			NSCI103	Environmental Science	3
			365, 389, 435, 495; FIRE312; GEOL355, 490,			NRES230	Intro to Soil Science	4
			495; MICR205, 315; NSCI116; NRES230			or EVRN211 Field Data Methods		
<b>ELECTIVES</b>	12		<b>ELECTIVES</b>	12				
Elective courses are recommended to be taken at LSSU to maintain a full-time status after transferring.								
Note: Students will earn NCMC's Associate in Science upon successful completion of the courses listed in blue and an additional communication course. Consult with a NCMC advisor.								
<b>TOTAL NCMC CREDITS</b>			<b>70</b>			<b>LSSU CREDITS</b>		
						<b>54</b>		
						<b>Min.</b>		
						<b>124</b>		

Consultation with an advisor is recommended.

Steven Johnson

Nov 19, 2025

Dr. Steven Johnson

(Date)

LSSU Dean for the College of Arts & Sciences

Kimberly Muller

11/18/25

Dr. Kimberly Muller

(Date)

LSSU Provost & VP for Academic Affairs

Sara Glasgow

Sara Glasgow (Nov 19, 2025 09:52:26 EST)

Nov 19, 2025

Dr. Sara Glasgow

(Date)

NCMC Dean of Arts & Sciences

Stephen Strom

Dec 2, 2025

Dr. Stephen Strom

(Date)

NCMC VP of Academic Affairs